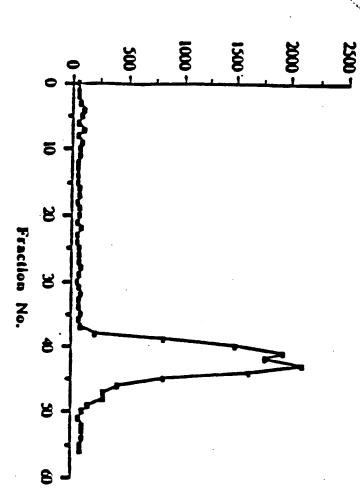


FIGURE 1

\* ( ( ) ( ) ( )

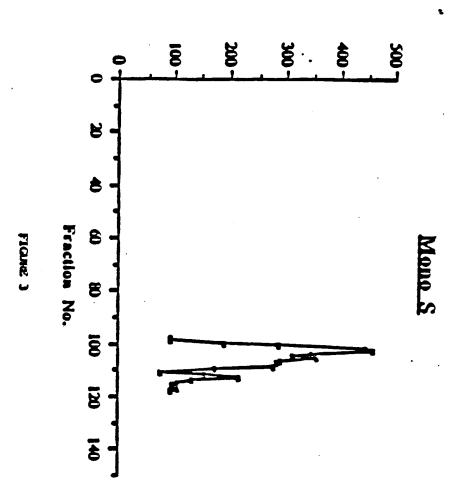




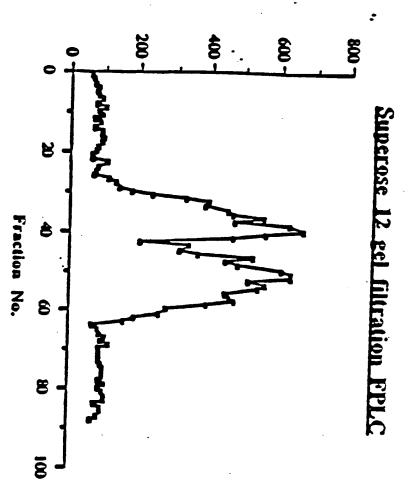
Hydroxylapatite HPLC

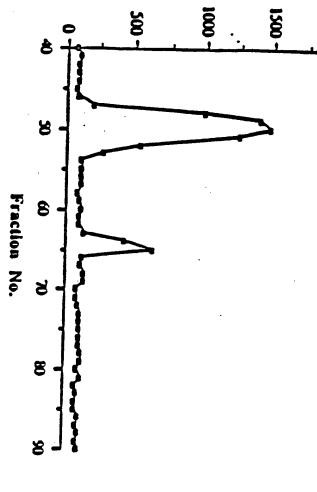
FIQURE 2





Counts I-125

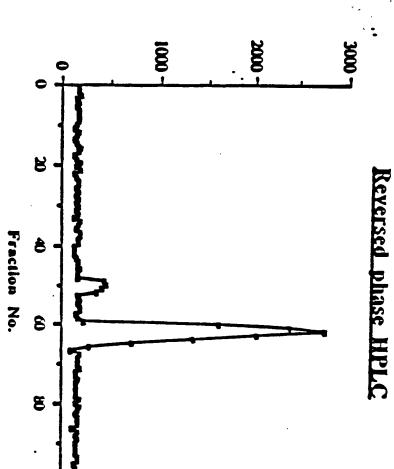




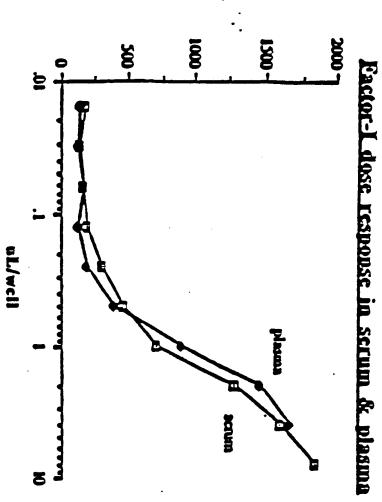
Reversed phase HPLC

FIGURE 5

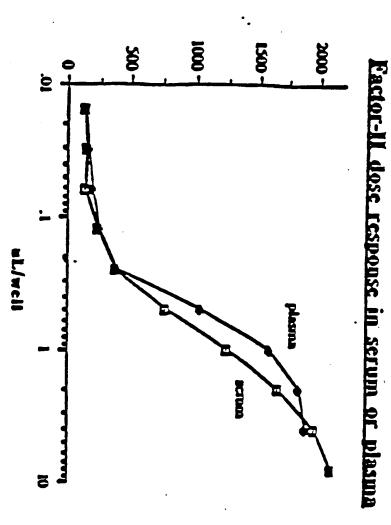








Counts I-125



171 18	¥1 5	151 II	C1 13	)F.1 12	¥1 ::	1.1 10 1.1 10	3	7F.1 08	)FJ 07	8 7.7	3	7. O.	8 14	R LY		101	•
0 0	FVCOAR	ンスホントンフィッ	TTEMA	X P M T P X X X	AGYFAE	SEHPOLSIC	MSEYAFFVOTXR (SEQ 10 NO: 9)	- XORRPOLST GOVAX	SLADEVEYMAK (STOLING)	I KSEHAGLSIGOT	LOEKRA (SEQ 10 NO: 5)	X	TETSSSOI	A S L A D E Y I	in pepidee	" F K G D A H T E (SMQ 1D MO: 1)	
	. Teng-1					Tang-1	Tanga C		5	2-C)ma.t	71-Dme4	Hug-y					

#1 17 #1 10 #1 20 #1 21

RLPGCPPGVDPWVSF

U4-beta (520, 10 MO: 711

Ctable

(SEQ 10 MO: 19)

A (570 10 NO: 18)

PMV1 GAYT (580 10 10: 169)

T V M (SPQ 1D NO: 17)

719
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	(seq 10 not 28)	19 49 1 19 49 1	10 a0: 10 a0: 10 a0:	10 10 10 10 10 10 10 10 10 10 10 10 10 1	9 9 9 9 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9 9 9 9 9 9 9 9 6 6 6 6 6 6 6 6 6 6 6 6

Figure 11

	Trypsin peptides			
GGF-11 01	KR VHQVWAAK*	•	(SEQ ID BO: 45	e \
GGF-11 02	KR YIFFMEPEAXSSG		(SEQ ID NO: 46	)) 65
GGF-11 03	KR LGAWGPPAFPVXY		(SEQ ID No: 47	
GGF-11 04	KR WFVVIEGK*		(SEQ ID BO: 48	
GGF-11 05	KR ALAAAGYDVEK*	Histone H1	(SEQ ID NO: 16	
GGF-11 06	KR LVLR.	***************************************	(SEQ ID NO: 16	
GGF-11 07	K/R XXYPGQITSN	Trypsin	(SEQ ID NO: 16	•
GGF-11 08	K/RASPVSVGSVQELVQR.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(SEQ ID NO: 49	
GGF-11 09	KRVCLLTVAALPPT		(SEQ ID NO: 50	-
GGF-11 10	K/RDLLLXV		(SEQ ID NO: 53	
			(10)	•
	Lysyl Endopeptidase-C peptides			
GF-II 11	KVHQVWAAK*		(SEQ ID BO: 51	١
GF-II 12	KASLADSGEYMXK°		(SE ID 50: 52	ś
				-

Figure 12

A		_
GGF-II 01 GGF-II 02 GGF-II 03 GGF-II 04 GGF-II 08 GGF-II 11	VHQVWAAK YIFFMEPEAXSSG LGAWGPPAFPVXY WFVVIEGK ASPVSVGSVQELVQR VCLLTVAALPPT KVHQVWAAK	(SEQ ID BO: 45) (SEQ ID BO: 46) (SEQ ID BO: 47) (SEQ ID BO: 48) (SEQ ID BO: 49) (SEQ ID BO: 50) (SEQ ID BO: 51)
GGF-II 12	KASLADSGEYMXK	(SEQ ID BO: 52)
В	Novel Factor II Peptides - others	
GGF-II 10	DLLLXV	(SEO ID BO: 53)

# Comparison of Brud ISA and [125] UdR couming ... tethod for the DNA synthesis assay in Schwann cell cultures

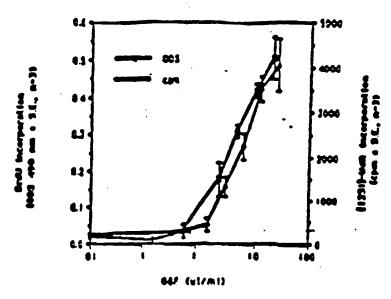
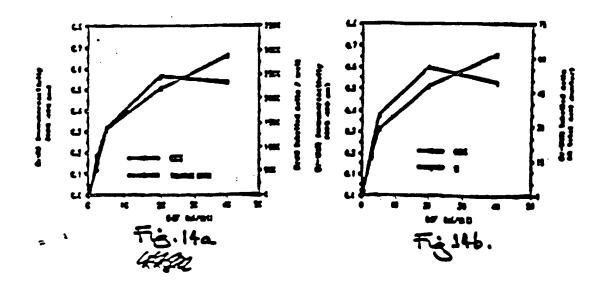
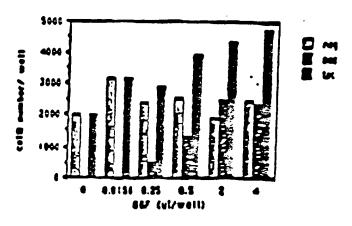


Fig.13

# Comparison of Br-UdR immunoreactivity and Br-UdR labelled cell number

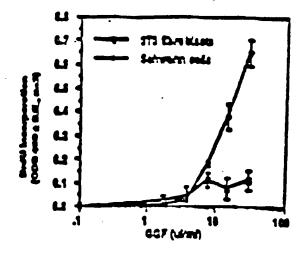


## Mitogenic response of rat sciatic nerve Schwann cell toGGFs



F10\$15

DNA synthesis in rat sciatic nerve Schwann cells and 3T3 fibroblasts in the presence of GGFs



Fig与16.

# Mitogenic response of BHK 21 C13 cells to FCS and GGFs

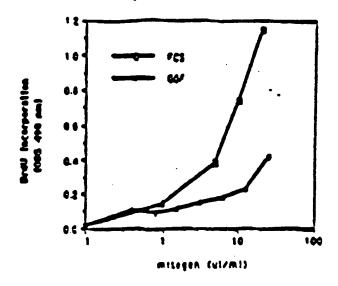


Fig. \$17

Survival and prollferation of BHK21 C13 cell microcultures after 48 hours in presence of GGFs

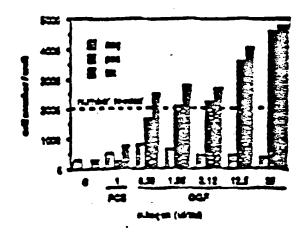


Fig. \$ 18.

## Mitogenic response of C6 cells to FCS

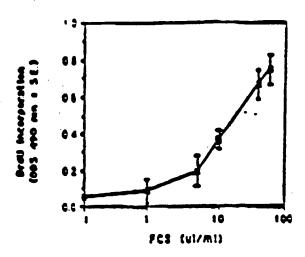


Fig \$ 19.

### Mitogenic response of C6 cells to aFGF and GGFs

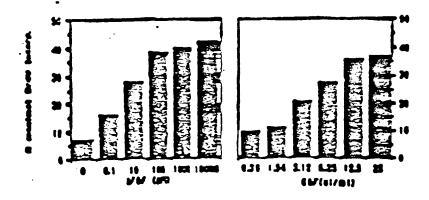


Fig 4 20

PIGNE 21
DIGINARY OLIGOMOCLEOTIDE PAGES FOR PACTOR I AND PACTOR II

Oligo	Sequence	Peptide	
535	TTYAARGCHGAYGCHCAYAC!	6671-1	(SEQ ID BO: 54)
536	CATRIATICRIATICRICHECI	<b>6671-3</b>	(SEQ ID BO: 55)
537	TGYTCHCUHGCCLTYTCHGT!	GG7I-13	(SEQ ID RO: 56)
538	TGYTCKCTHGCCATYTCHGT!	6677-13	(SEQ ID EO: 57)
539	CCDATHACCATHCGHACYTT!	GG7I-17	(SEQ ID EO: 58)
540	GCHGCCCLVLCYTGRTGXAC!	GGTII-1	(SEQ ED EO: 59)
541	GCYTCHGCYTCCATRURUA!	GGTII-2	(SEQ ID EO: 60)
542	CCYTCDATXACUCUACCA!	GG7II-4	(SEQ ID EO: 61)
543	TOIGOLLETANICOIGC!	6671-11	(SEQ ID BO: 62)
544	GCHGCHAGHGCYTCYTTHGC!	667I-14	(SEQ ID BO: 63)
545	ושאלרוזרוזדואיכו	6671-14	(SEQ ID BO: 64)
546	TTYTTHGCYTGXAGXAGXAG	6671-15	(SEQ ED EO: 65)
551	TTYTTHECYTEYAWACRA!	GG7I-15	(SEQ ED EO: 66)
561	TONACKAGYTCYTCKAC!	GG7II-8	(SEQ ID 10: 67)
569	TCKACYAAYTCYTGKAC!	66711-8	(SEQ ID EO: 64)
603	CATRIATICH CONCURTORS!	GG7II-12	(SEQ ID EO: 69)
610	CATRIAYTO(COCTRIO)GCI	66711-12	(SE) D SO: 70)
649	HEARTCHOCYLLHELHOCYTT!	G5711-12	(SEQ ID EO: 71)
650	HEART CHECKING ANGLY SCYTT!	66711-12	(SEQ ID EO: 72)
651	RCTRICKSCYLLHGUHGCYTT!	GGFII-12	(SEQ ID EO: 73) (SEQ ID EO: 74)
653	ACTRICHECULENCLINECTIT!	CCTII-13	
653	HEARTCHECTARCHECTT!	<b>66711-13</b>	(SEQ ID BO: 75)
654	HGARTCHGCHAGROTHGCYTT!	G6711-12	(SEQ ID EO: 76)
655	RCTRICHGEYAACTHGETTT!	GGTII-12	(SEQ ID BO: 78)
656	Kelkelyconorchicelli	66711-12	(500 D D0: 79)
659	Y CHY CHEYSY LOCAL CHEY;	6671-13	(225) ID 20: 80)
660	yondennicentaler;	6671-13	(520 D 20: 81)
661	CACHELLA CONTRACTOR I	65711-1	(SEQ ID EO: 82)
662	MACHENIA CONTRACTORY	66711-4	(SEQ ID EX: AL)
663	my contribodicting in	6671-1	(SEQ D 20: 84)
664	CUSCONTING COTTON	6677-14	(SEQ ID EO: 85)
665	दाभक्तान्यकास्था <u>न</u>	GGTII-8	(SEQ ID EQ: 44)
666	CIHCONNOTOTHENEURIT!	GG?II-8	(SE) D EO: \$7)
634	HACTTTTTTUREATTTCACC!	6671-17	(9E( Th En: 40)

#### Acutin Series factor II for Season

1

(SEQ ID NO: 89)

FICTLE 22

### Degenerate PCE primers

Oligo	Sequence	Peptide	
657	בנינו אוויביים באפגונים באינים	GC71-17	(sta in eo: 20)
458	ALGGLICCTC CLGHGTRILHGONCCHLTHLCCLTHGG!	GG7I-17	(SEQ ED 30: 91)
667	CCGAATTCTGCAGGCHGAYTCHGGHGARTAYATGI	GGTII-12	(SEQ ED BO: 92)
668	CCGAATTCTGCAGGCHGAYATYGCHGARTAYATI	GG711-12	(SE) ID 20: 93)
663	AAGGATGCTGCAGAAHCATRTAYTCHCCHGARTC!	66711-12	(SZ) ID 20: 94)
670	AAGGATGCTGCAGOONCATRTAYTCHCCRRTRTC!	GGFII-12	(SEQ ED BO: 95)
671	CCCAATTCTGCAGCAYCAAGTRTGGGCHGCHAA!	GG711-1	(SE) ED BO: 96)
672	CCGAATTCTGCAGATRTTYTTYATGGARCCHGARG!	GG711-2	(SE ID BO: 97)
673	CCGAATTCTGCAGGGGGGGGCGGGCGGTTYCCGGT1	GGTII-3	(SEQ ID BO: 98)
674	CCGAATTCTCCAGTCGTTYGTKCTYATEGARGO!	GG7II-4	(SEQ ID EO: 99)
. 677	AAGGATCTTGCAGYTTHGCHGCCCAVACYTGRTG!	GG711-1	(SE ID EO: 100)
678	MCCATCCTGCAGGCYTCKGCYTCCATRULUM!	GG711-2	(SE D E: 101)
679	ANGENTOCICALANCHGERLANGCHGCHGCHGC!	66711-1	(SEQ ED ED: 102)
610	AAGEATECTGEAGYTTHECTTEDATKACKACKACI	GGTII-4	(SE ID EO: 103)
681	CATRIAYTORIAYTOTOHOCAAGGATCCTGCAG!	6671-2	(STO ID BO: 104)
613	CCSAATTCTCCACAARGGHGAYGCHCAYACHGA!	6671-1	(SE D E: 105)
613	CONCOVALNOCATE LA CALCONACA LOCALOS ( CONCOCACA CONCOCAC	GG71-14	(SEQ ID EO: 106)
614	CONCONACTION TONICONACCATOCTICAGI	GG7I-14	(SE) D D: 107)
685	TCHGCTUARTANCCHGCUAGGATCCTGCAG!	GG7II-1	(SEQ ID BO: 108)

### Unique PCA primers for Factor II

Oligo	Sequence	Coment
711	CATCCATCTSCACSCTCATTCTSCACAATATATCTSCA!	3' MCI (5ED ID EO: 109)
712	alsolicotsclockelicteslotesleteslite!	3' NG (SE) ID EO: 110)
713	ccentracontatoxcometreemersellical	3' PACE (SED ED ED: 111)
721	CATCEATCTCCACCTACTTTCCTCATCACTTTCCAC!	5' ALCZ (SE) ID RO: 112)
722	Angentectecheratatictecherateroccaeta!	\$1 KACE : MICEONED (SEE ED ED: 113
725	Machineracuss chascher Maschineral	EXON A (SEQ ID ED: 114)
726	complete a contract the compet	EXCEL A (SEC ID EC: 115)
771	CATOCOCCATCUCACTOCACATOTOGCA!	EXOKS SHA (SED ED ED: 116)
772	ATACCCCCCCTCCLCACLATCACLATTICACACLCCTGCS!	(SE D D: 117)
773	ALGCATOCTGCLGTTTGCALGCTGCCACACACTCCT!	AMCZORID (SED ED ED: 118)
776	ATACCCCCCCTCCACATGACATTTCACACACCTCCCTGA!	2XOKS \$41 (SEO ID BO: 119)

### Summary of contiguous GGF-II cDNA structures and sequences

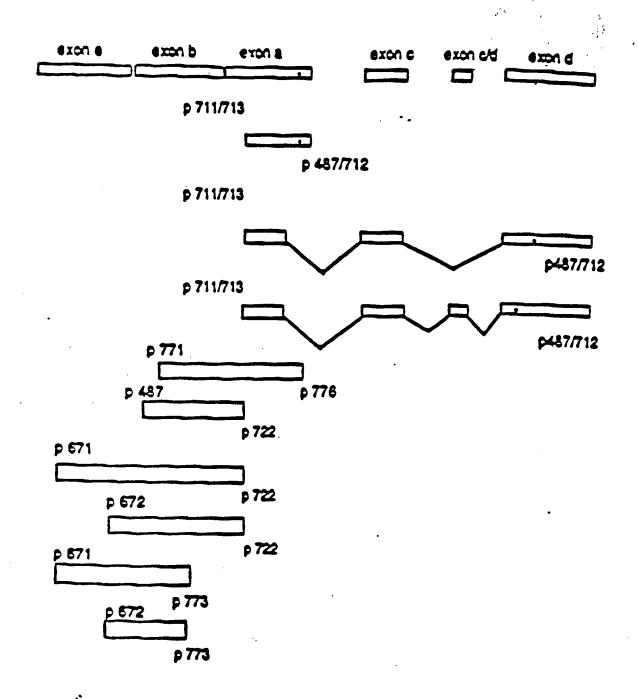
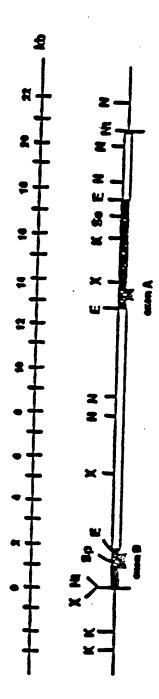
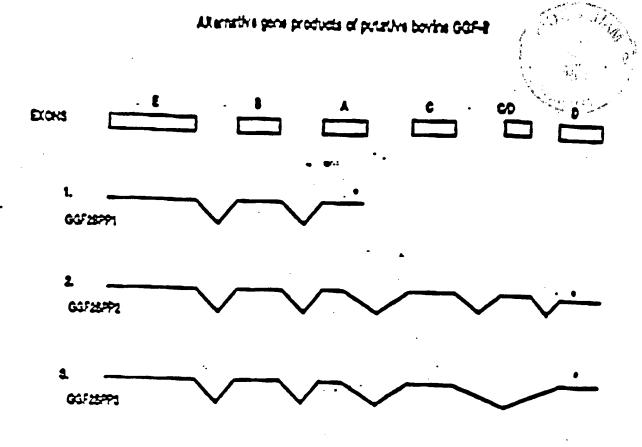


FIGURE 24





noni 26

ocr-II g	id .at	ified in deduced.	sections 11.
Peptide	Pos.	Sequence match	
II-1	1:	HOWALK ALGLE	(SM ID No: 120)
II-10	14: CCLX	DLILAY delley right.	(SEQ ED BO: 121)
II-03		ICAMCPPAFFVXY IGENGAPE FROM REACT	(SEQ ED BO: 122) (SEQ ED BO: 123)
II-02	41: KESS	YITHEPEAKSSG GPGRL	(SE ID BO: 124) (SE ID BO: 125)
11-6	103: VAGSK	LVLR CETSS	(SEQ ID BO: 126)
1-18	112: CETSS	ZYKCLKFKWFKKATVH eyssikfkwfkhqsel SRRK	(SEQ ID BO: 127) (SEQ ID BO: 128)
II-12		MINDSCELMCK AIRE MINDSCELLOCK	(SEQ ID BO: 129) (SEQ ID BO: 130)
I-07		ASIADEYEMORI esledegeyack VISIL	(SEQ ID BO: 131) (SEQ ID BO: 132)

nau 27

FIGURE 284

(SEQ ID NO: 133)



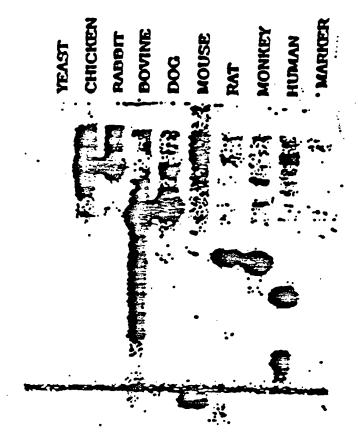
हा। कार्तावया। तर् व्यक्तिक क्षेत्र क्षेत्र कार्याक क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्ष थातिकारकार्यातापुरा वाराक्ष्रिकार्यापुर्वा स्थाप्ता है। स्थापुर्वा स्थाप्ता स्थाप्ता स्थाप्ता स्थाप्ता स्थाप्त ณแบบน้องเกล่ายกล่ายการและการและการและการและการและการและการและการและการและการและการและการและการและการและการและก · 100 a constitution de la const \* 1 6 4 8 C 1 [ 8 Y P E C 7 6 1 4 C 8 4 C 8 C C 7 I 4 4 E 1 1 क्ष्याक्ष्यार्थात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्यात्राच्य • स्टाप्तां का स्टाम् । स्टाम् वृष्टि । स्टाम् សារា កក្សា ពេកស្ត្រ ពេកសត្ថមាន ស្ថិតសង្គារ ពេលពេកស្ត្រ ពេកសត្ថមាន សង្គារ ក្រុមពេកស្ត្រ ពេកសត្ថមាន សង្គារ ក្រុម LECTION TO LONGING TO LEGISLA CONTROL CONTROL

(SEQ ID BO: 134)

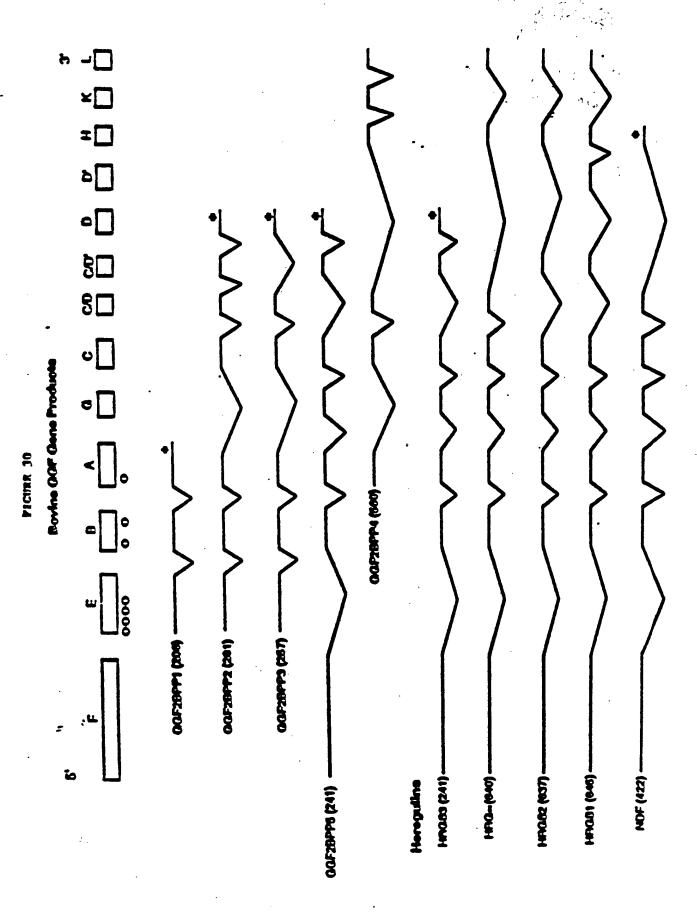
none 281



E 4 4 8 7 8 7 9 8 7 8 8 9 8 7 7 4 8 7 8 9 8 8 9 8 8 8 8 8 8 8 8 8 8 8 8 8
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## CODING SIGNINTS OF GLIAL GROWTH FACTOR/HEREGULIN GENE

CODING SIGNORT F: (SEQ ID BO: 136)

ACTITICCCCCCCCAACTICTCCCCAACTICTCCCCCCCC	ccccycccc	60
COCCOCTOCICACCATGCGACCGCCCCCCCCCCACCGTAATCGCCTCTCCC	नरदारदेददं	120
TGCGAGCGCGGCGGACCGACGCACGACGGACCGGACGGCACGGAAC	CCACCACTCC	180
ccyccededecrecyecyecrycecrecesere	vececcece	240
AGTCCCAGGTGGCCGGACCGCACGTTGCGTCCCGGGGGGGG	יבא כא פנא פא ב	300
6464846466666846444648464	ctcqagggac	360
ANCITTICOCCUSCOCATOCCASCOCTOCCACCOUNCITGTOCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	tedeerdede 	420
COSCACCOTOCOCOCACAGOGTGCACTTCTCGGGCGAGATGTCGGAGCG 	E E E E	480
X G X G X G G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X X D X G S G X G S G S G S G S G S G S G S G	A b y	540
A G G 9 8 P A GCTGGGGGCGAGCCCAG 559                            gcgggcagccagagcccag		

CODING SECRET S: (SEC ID NO: 137)

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CODING SIGNINT 8: (SEQ ID EO: 138)

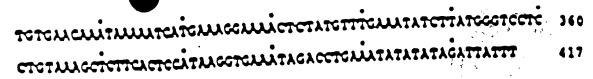
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To CTT COSTOCOLOGICIONILA CTCCTCTCTCLA CTTCLA CTTCL	
CCACTCATTIACCCALACATICACTIACATACATACATACATACATACATACATAC	<b>17</b> (

CODING SZCHERT A: (SEX ID EO: 139)

ունինանները այդ կուլիկինիկինը հայինին agtgatcagcaaattaggaaatgacigtgcctctgccaatatcaccatcgtggaatcaaa Œ 122 q

CODING SECONT A': (SE D EO: 140)

TOTALLACTA CAGAGACTOTATTTCATCATCATCATACTTCTCTCALATATACTTLLAC 60 COCTTTOCTCCTGATCTTCTAGGUCTCAGAACTTCGCATTAGGUAGGCTCACTGGCTG G Z Y X C X V I S X L G X D S A S A ATTOTOGRAGATATATOTOCINGTEATCAGCINGTAGGAINTGACAGTGCCTCTGCC I T I V I S N G K R C L L R A I S Q S ACATCACCATTGTGGAGTCALACCSTALGAGATGCCTACTGCGTGCTATTTCTCAGTCTE



CODING SECKENT G: (SEQ ID EO: 141)

ZITIGNA A STATE TO THE TOTAL CAST COLOR OF THE COLOR OF T

TTIGNITATORGIATORICA GORGANIZATA TOTALE 102

CODING STOKENT C: (SEX ID SO: 160)

ccientecientersessenseentertransiertecessensein 60

L C ACTIGICC 128 |||||||| actigige CODING SECNENT C/D: (SEQ ID BO: 142)

X C Q G G T G A R C T B A R C T S A R C A

T Q E ACCCUGAL 69 | ||||||| AACCAAGAA

CODING SIGNERT C/D': (SEQ ED BO: 143)

R C P X R P T G D R C Q X Y Y X A R P T C A R C A R P T C A R C A

. - 1877 A . . . . . . .

CODING SEGNERT D: (SEQ ID BO: 144)

ACTACCTCCACTCCCTTTCTCTCTCTCTCTCATAG 36

CODING SECREDAT D': (SEQ ID BO: 145)

X E L G I B P X B asgcatcttggggttgaatttatggag 27

CODING SZCHONT E: (SEQ ID BO: 146)

LACOCACACTOTACCACAACACTCCTCACCATTACCCCATTTGCATCCCCTC 60 LACCCACACACTCTACCACAACACACTCCTCACCATTACCCCATTTGCATCCCCCTC 60 LI
L V V G I W C V V V C T T C V V V C T T C T C T C T
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Corrected the state of the stat
S Y R D S P H S I R

CODING SECRENT K: (SEQ ID EO: 161)

CODING SECRETARY L: (SEE ID BO: 147)

CODING SECRETARIES	(\$20, 20, 80; 147)	
GTATGTATCAGCAATGACG	chececocrecthrotexecretheartreexececus (Chececoscrethrotexectus)	)
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PRLRESCACA ACCACGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	AGTATCACCACCACCACCACTATTCACTCCACTCCAC	40
creccedederidaes	GCNCNCCTCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	00
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S S R R A CAGCAGCCGGCGGCC              tagccggcggcc	K R T R P N G H I A H R L Z H  LUUGAACCAAGCCCAATGGTCACATTGCCCACAGGTTGGAAT	20

TCACACACCCUMCACACCATCUMCACT ಜನಗಳಗಳ ದಾಜ್ಯ ಪ್ರವರ್ಥ ಪ ggicigciaciaciageteccigiquegtaicteigiqiqtgiaicigiqqiqtgi 8 8 Q D T.P aggtgaagatacgcctttcctgggcatacagaaccccctggcagccagtcttgaggcaac 6 7 CCCTGCCTTCCGCCTGGTCGACAGCAGCACTAACCCAACAGCGCCTTCTCTCGGCAGGA acctqccttccqcctqqctqacaqcaqqactaacctaqcaqqccqcttctcqacacaqqa 8 CCSALLTACACCCATACATICACCTCTALLACTTTATTTATATATATATATATATTCCACC TIMITIMEM 733 11111111111

### FIGURE 31 (CORT.)

Human	Coding	Segment	2:
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(SEQ ID BO: 163)

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## GG72BPPS nucleotide sequence and deduced protein sequence Tract y caracteres y caracteres creaters createres contracted to the contracted to t ecrecede de conservantes que la conservante de conservantes de enececeptice descriptions of the second contraction of the second cont myculineccemecericecrecencescerecementalescecencence meenecenterecenterenterecenter X G X G G G X X D R G S G X R P Y P A AGGPSPALPPRLESCE GLOSCY COLLICCTY CLOSCO COLLICCT COLLICCT COLLICCT COLLICCT COLLICT VAGSELVER CETSSELE PRWPRKGSELSRRKPQXIE CCYCYTYLYLOLOGICTACCTYCLYCTYCCTTCACCTACCTACCTTCACTTCACCTTCACCTTCACCTTCACCTTCACCTTCACCTTCACCTTCACCTTCACCTTCACCTTCAC GIYNCRVISKLGNDSASANI Yechitelegyelenreigierereigeeriegeriegeriegierereit; 800 TIVES TELEGRAPH STATE Grozorrergretereceritaritaterietaterierrergreterierrergreterier 360 STSTSTAGESTLY X CARRES ACTITICIOTOTATICASCOCAGIOCITCATOCTOMAGACCTITCMITCCOCAGA 1080 TACTTOTOCIAGTOCCCANITGAGTTTACTOCTGATCCCTGCCUMCTACCTMTCCCC 1140 Y L C K C P N E P T G D R C Q N Y Y X A AGETTETACAGTACGTCCACTCCCTTTCTGTCTCTGCCTGAATAGGCGCATGCTCAGTCG 1200 S F Y S T S T P F L S L P E STOCCSCTTCTTSTTSCSCATCTTCCTTCASATTTCATCTAGASCTAGATGCGTTTA 1260 TEASETETAÁTATESATESÁTETETETETATATATATATÁAJSSATTSTÁ 131:

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# GG72BPF2 nucleotide sequence and deduced protein sequence

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CATCATCTCTCCGCCGUAGCCGGCCCTTCAACAGACTCCCTCACCGTGCGC 60
A CONTRACTOR OF THE PROPERTY O
CATCATCTCTCCGCCGAAACCCGCCCCTTCAACAGCACTCCCTCACCACACACA
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CTECTTCCCCCTCTCCAGACGCCCCCAACCTCAAGACGACGTCAGCCAGGTCAGCCAGGTCAGCAGGTCAGCCAGGTCAGCAGGTCAGCAGGTCAGCCAGGTCAGCAGGTCAGCAGGTCAGCAGGTCAG
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CLACOGICCCCTTCCCTCCCCCCTTATACCTCCCCCCCTTATACCTCCCCCC
CLACGOTOCOCCTTGCCCCCCCTTGLLEGAGATGLAGAGTCAGAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGAGTCAGA
TOCHLACTACTOCCTCCCAGACCAGTTCTCAATACTCCTCTCTCAGTTCAACTCC 160
TCCUMCINGLEGGIACONAL T T T S S L X F A H
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COCTCLACATACTTGTGCLAGTGCCLACTTGGATTCATTGAGGCGAGCGAGATGATGGTGATGA
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Company of the compan
GTGCCCLTGIUGTCCULCCCULCULGTGCCCCULTCLGTTTACTGCTGLTCGCTGC 780
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AGCTAGATGCGTTTTACCAGGTCTAACATTGACTGCCTCTGCCTGTGCGATGAGAACATT 960
- Company Constitution of the Constitution of
AGCIAUAIVCUIIIIA 1020
CTCACIAGIAGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
AACACAAGCGATTGTATGACTTCCCCCTOTOTOTOTTACTGTGATACGACATGATAG 1080 GTGCCTAAGGCTCCAGTGTTTCTGAAATGATCCTCAATTACTGTGATACGACATGATAG 1140
CTCCCTA ACCCTCCAGTGTTTGTGAAAAAAAAAAAAAAA
1140
TCCCTCTCACCCAGTGCAATGACATAAGGCCTTGAAAGTCAAAAAAAA
TOCOTOTORECCAGIOCANO

## GG72BPP( nucleotide sequence and deduced protein sequence

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* CLCYLCYCOTY CLYCCH	LATGACAGTGC	cicicconc	YLCYCCYLLC.	recyclerin	120
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THLRAS	•	•	•	•	
TTEAGGAAGGTATGTAT	CACCAATGACC	ACCCCGGCTC	CITICICYCCI	CTACATTTCEA	1080
• • • V V S		• • • • • • • • • • • • • • • • • • • •			
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CAECCCAACCTCCCCCA	MOTERICCIET	TCCTANTCT	7 7 7	S S I I	
7 5 5 7 1	K S F P	> £ 7. >	•		

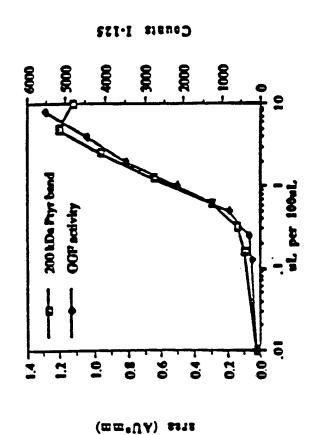
V S X P S X A V S P P V Z Z Z R P L L L TOTOLOGICA COGOTOCOGGA GLAGTATOLOCA COLOCA COCA COLATICACT ETT 1260 V T P P R L R E R Y D H H A Q Q P H S P. CCACTGCUACCCGCGCATGAGAGCUACAGCCTGCCCCCCCAGCCCCCTTGAGGATAGTGGA 1320 K C N P A E Z S N S L P P S P L R I V E GCATGAGGATATGAAACGACCCAGGAGTACGAACCAGCTCAAGAGCCCGTTAAGAACT 1380 DEEYETTQEYEPAQEPVIIL CACCUACIOCAGOCGOCGOCCUUSINGCIAGOCCUATOGTCACATTOCCCACAGOTT 1440 THESTRAKETEPHGELAERL CONTROL CITATION CONCLETANCIC CONTROL CONTROL 1200 E N D N N T G A D S S N S E S E T E D E ANGAGTAGGÁGAAGATAGGGCTTEGTTGGCCATACAGAAGCCGGGTGGCAGCCAGTCTCCA 1560 RVGEDTPFLAIQHPLAASLE SCCOSCCCTTCCTTCCCCTTCCTCCACACCACCACTAACCCAACACCCCTTCTCTCC 1620 AAPAPRLVDSRTXPTGG889 GCAGGAGAATTGCAGGCCAGGCTCTCCGGTGTAATCGCTAACCAAGACCCTATCGCTGT 1680 QIILQARLSGVIAXQDPIAV 

TOCACOTTILITAMENTIM 1764

GGF25775KCAEKEKTFCVNGGECFMVKDLSNPSRYLCKCPNEFTGDRCQNYVMASFY 1
GGF25775KCAEKEKTFCVNGGDCFMVKDLSNPSRYLCKCQPGFTGARCTENVPMKVQ2
hege eclrkykdfcih - Geckyvkelraps — Ckcqqeyfgercgekshkths 3

1(SM ID NO: 151) <sup>2</sup>(SM ID NO: 152) <sup>3</sup>(SM ID NOL 153)

# 200 kDa tyrosine phosphorylation compared with mitogenic activity



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## GGY/EDDROWLIN SPLICING VÄLLARIS

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7-1-8-A'
7-3-1
                                         1
                                              7-2-3-1-0-0/0-0
7-5-1-C-C/D-D
                                              7-2-3-1-C-C/D-E
7-5-A-C-C/D-E
                                              7-2-3-2-4-6-6/2-2-2
7-3-1-c-c/d-e-l
                                              7-1-3-1-6-6/0-1-1-2
1-2-Y-C-C/D-E-X-F
                                              7-2-3-1-0-0/0-0/-1
1-2-Y-C-C\D-D.-E
                                              7-1-3-1-C-C/D-D'-E-L
7-3-1-c-c/d-d'-E-L
                                              7-2-3-1-C-C/D-D'-X-X-L
7-3-1-C-C/D-D'-E-X-L
                                              7-1-3-1-0-0/0/-0
7-8-1-C-C/D'-D
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7-3-1-C-C/D'-X
7-3-1-C-C/D'-X-L
                                              7-1-3-1-C-C/D'-E-L
                                              7-1-8-1-C-C/D'-E-X-L
J-3-1-C-C/D'-E-X-L
                                              7-2-3-1-C-C/D'-D'-E
7-2-1-C-C/D'-D'-E
                                              7-1-3-1-C-C/D'-D'-E-L
7-8-1-C-C/D'-D'-E-L
                                              7-1-8-1-c-c/0'-D'-1-1-L
7-3-1-C-C/D'-D'-X-X-L
                                              7-2-3-1-C-C/D-C/D'-D
7-2-3-1-C-C/D-C/D'-E-L
7-3-1-0-0/0-0/0'-0
7-8-1-C-C/D-C/D'-#
7-3-1-c-c/D-c/D'-E-L
                                              7-1-3-1-C-C/D-C/D'-1-X-L
7-3-1-c-c/D-c/D'-E-X-L
                                              7-2-8-1-C-C/D-C/D'-D'-E
7-3-1-0-0/D-0/D'-D'-K
                                              7-1-8-1-C-C/D-C/D'-D'-E-L
7-3-1-c-c/0-c/0'-D'-E-L
                                              7-X-5-A-C-C/D-C/D'-D'-E-X-L
7-3-1-c-c/D-c/D'-D'-H-K-L
                                              7-2-B-1-G-C-C/D-D
7-3-1-6-0-0/0-0
                                              7-1-1-1-G-C-C/D-X
7-8-1-G-C-C/D-E
                                               7-1-3-1-G-C-C/D-1-L
7-2-1-G-0-0/D-1-L
7-2-1-G-0-0/D-1-K-L
                                               7-2-2-1-G-C-C/D-E-X-L
                                               7-1-8-1-6-6-6/0-0'-1
 7-3-1-6-C-C/D-D'-E
                                               7-2-8-1-G-C-C/D-D'-E-L
 7-3-1-G-C-C/D-D'-E-L
                                               7-2-8-1-6-6-6/D-D'-E-X-L
7-5-1-5-C-C/D-D'-E-K-L
                                               7-1-8-1-G-C-C/D'-D
 7-8-1-G-C-C/D'-D
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 7-8-1-G-C-C/D'<del>-</del>E
                                               7-2-3-1-G-C-C/D'-X-L
 7-5-1-G-C-C/D'-H-L
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 7-5-1-C-C-C/D'-D'-E-L
                                               7-1-8-1-G-C-C/D'-D'-E-K-L
 7-2-1-G-C-C/D'-D'-E-X-L
                                               7-2-3-1-G-C-C/D-C/D'-D
7-2-3-1-G-C-C/D-C/D'-H
7-3-3-1-G-C-C/D-C/D'-H-L
 7-2-1-G-C-C/D-C/D'-D
 7-8-1-G-C-C/D-C/D'-E-L
7-8-1-G-C-C/D-C/D'-E-L
7-8-1-G-C-C/D-C/D'-E-L
                                               7-2-3-1-6-C-C/D-C/D'-E-X-L
                                               7-2-8-1-6-6-6/0-6/0'-0'-#
 7-8-1-G-C-C/D-C/D'-D'-E
                                               7-7-8-1-G-C-C/D-C/D'-D'-8-L
7-7-8-1-G-C-C/D-C/D'-D'-8-K-L
 7-8-X-G-C-C/D-C/D'-D'-E-L
 7-3-1-G-C-C/D-C/D'-D'-E-X-L
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### 607/EDEGULIN SPLICING VARIANTS CONTINUED

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E-B-A'

E-B-A-C-C/D-E-L

E-B-A-C-C/D-E-L

E-B-A-C-C/D-E-L

E-B-A-C-C/D-B-I-L

E-B-A-C-C/D-D'-H-L

E-B-A-C-C/D-D'-H-L

E-B-A-C-C/D'-B-L

E-B-A-C-C/D-C/D'-B-L

E-B-A-C-C/D-C/D'-D'-H-L

E-B-A-C-C/D-C/D'-D'-H-L

E-B-A-C-C/D-C/D'-D'-H-L

E-B-A-C-C/D-C/D'-D'-B-L
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I-B-1-G-C-C/D-D
I-B-1-G-C-C/D-H
I-B-1-G-C-C/D-H-L
I-B-1-G-C-C/D-H-X-L
I-B-1-G-C-C/D-D'-E-I
I-B-1-G-C-C/D-D'-E-I
I-B-1-G-C-C/D'-B-L
I-B-1-G-C-C/D'-B-L
I-B-1-G-C-C/D'-B-L
I-B-1-G-C-C/D'-B-I
I-B-1-G-C-C/D'-B-I
I-B-1-G-C-C/D'-D'-H
I-B-1-G-C-C/D'-D'-E-I
I-B-1-G-C-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-B
I-B-1-G-C-C/D-C/D'-B
I-B-1-G-C-C/D-C/D'-B-I
I-B-1-G-C-C/D-C/D'-B-I
I-B-1-G-C-C/D-C/D'-B-I
I-B-1-G-C-C/D-C/D'-B-I
I-B-1-G-C-C/D-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-D'-E-I
I-B-1-G-C-C/D-C/D'-D'-B-I
I-B-1-G-C-C/D-C/D'-D'-B-I
I-B-1-G-C-C/D-C/D'-D'-B-I
I-B-1-G-C-C/D-C/D'-D'-B-I
I-B-1-G-C-C/D-C/D'-D'-B-I
I-B-1-G-C-C/D-C/D'-D'-B-I
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AGCCATETTÉTCAGTGÉAGAGAGAGAGAGAGAGTTÉTCTCTATTÉTCTCAATGAGGAGTGÉ
S H L V K C A Z K E K T F C V N G G Z C

TTCATGGTGÁAGACCTTTCAATCCCTCÁAGATACTTGTGCAAGTGCCCAAATGAGTTT
F H V K D L S N P S R Y L C K C P N Z

ACTGGTGATCGCTGCCAAACGTAATGGCCAGCTTCTACAGTACGTCCACTCCCTTT
T G D R C Q N Y V N A S F Y S T S T

CTGTCTCTGCCTGAATAG
L S L P Z

(SEQ ID NO: 154)

FICURE 38

(SEQ ID NO: 155)

PIGULE 39

(SEX LD BO: 156)

FIGURE 40

ACCENTETTÉTELAGTETÉ CAGAGIAGA ÉLIMETTE TE TETATO É ACCEDENTÉ LA PROPERTICION DE LA PROPERTICION DE LA COMPANION DEL COMPANION DELA

(SEQ ID NO: 157)

FIGURE 41

ACCENTETICIONESTO CONCENCIA CONCENTRATORIO CONCENCIA CONCENTA CONCENCIA CONCENTA C

(SZQ ID NO: 158)

FICURE 42

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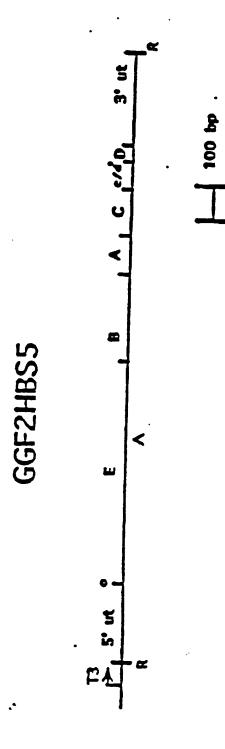
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FIGURE 43



## Nucleotide sequence and deduced amino acid sequence of GUTZERS

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FIGURE 45 (1 of 3)

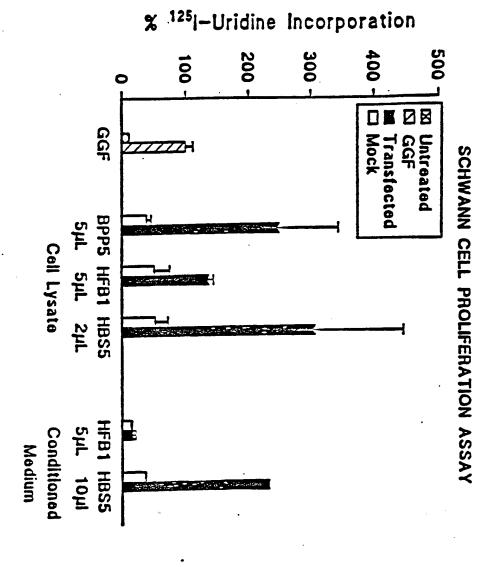
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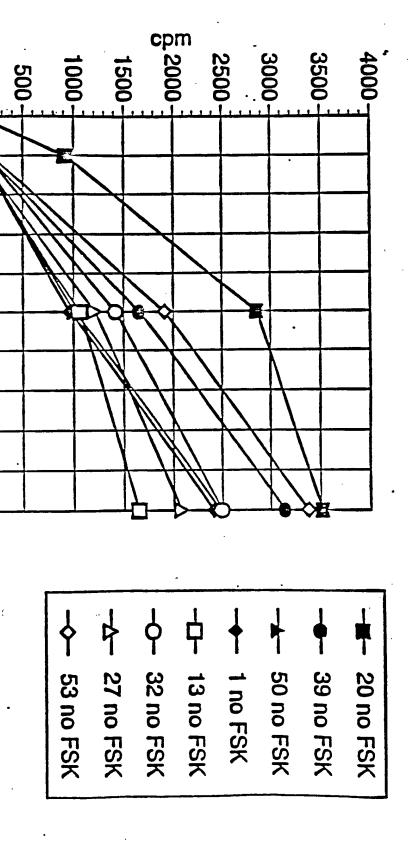
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FIGURE 45 (2 of 3)

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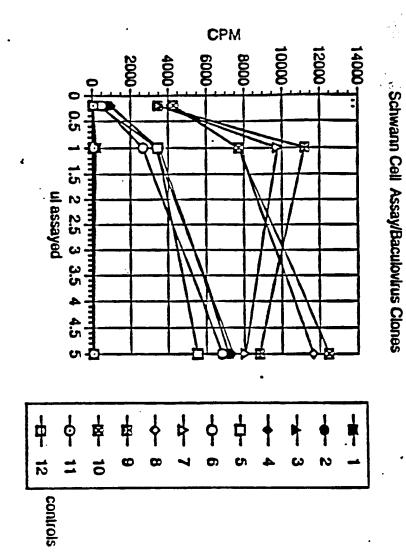
FIGURE 45 (3 of 3)

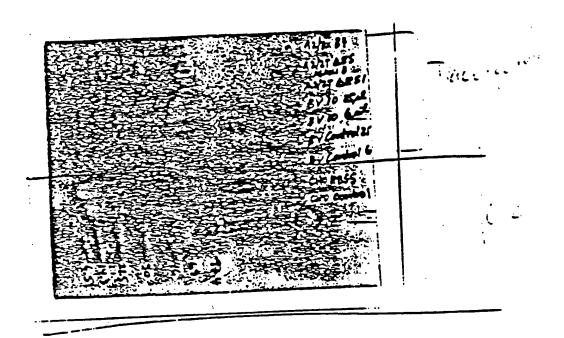


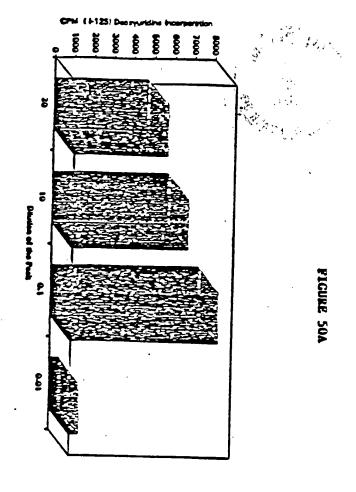


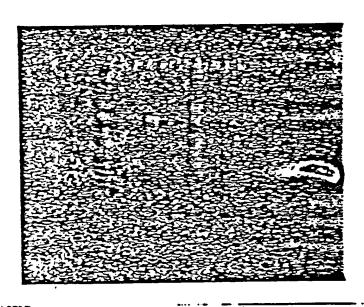
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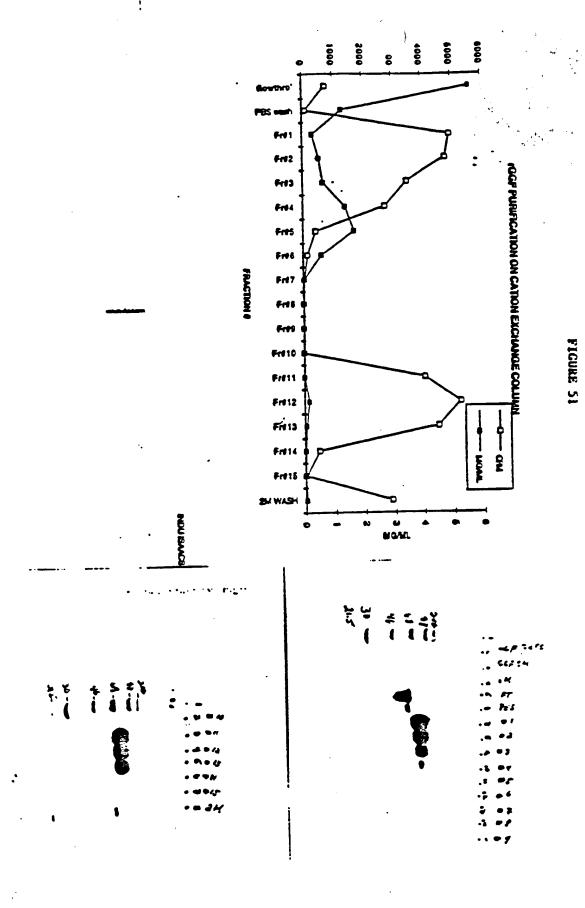
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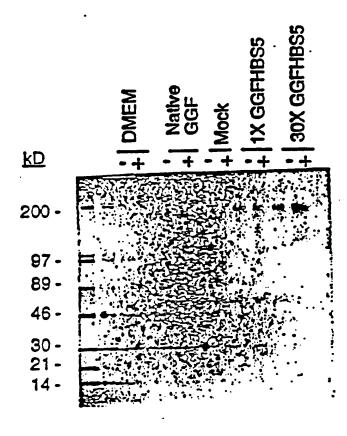








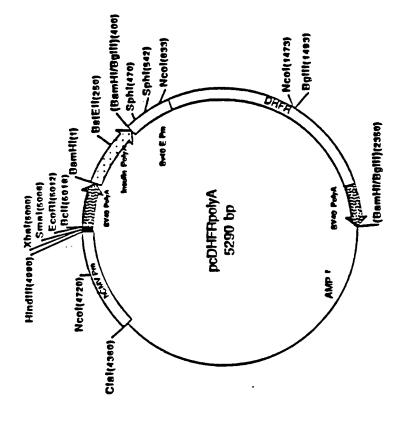




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